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RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/696,664A

DATE: 01/09/2002 TIME: 14:47:55

Input Set : D:\pa_00316.txt

Output Set: N:\CRF3\01082002\1696664A.raw



1	<110> APPLICANT: Abad, Mark S.	
2		
3		
4	Mahadeo, Debbie A.	
5		
	<120> TITLE OF INVENTION: Nucleic Acid Molecules And Other Molecules	les Associated With
8		
	<130> FILE REFERENCE: 38-21(51721)B <140> CURRENT APPLICATION NUMBER: US 09/696,664A	•
	<141> CURRENT FILING DATE: 2000-10-25	
	<150> PRIOR APPLICATION NUMBER: US 60/161,619	
	<151> PRIOR FILING DATE: 1999-10-26	•
19	<160> NUMBER OF SEQ ID NOS: 17472	
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	<pre><220> FEATURE: <223> OTHER INFORMATION: Clone ID: LIB3179-001-P1-K1-A11</pre>	
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35	taggatatgc tctaagtctt cccatacttt cctataatga ctgcaacgat tttctccatt	180
37	ttgcgaattc ctattttatt tgaagtatat tactatcata tacattatct aaatcgatcc	240
	actttaaata aaatagaaaa aatcgaaaga aaaaaaaaa gaaagagtaa ataataaaac	300
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	accecggagt acgaaaccaa ggatactgat atettggcag catteegagt aactecteag	180
	January System System according Carried additional and Court and Carried System	100

RAW SEQUENCE LISTING DATE: 01/09/2002 PATENT APPLICATION: US/09/696,664A TIME: 14:47:55

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79 ctcggggttc cgcctgaaga agcaggagct gcagtagctg cggaatcttc tactggta	ca 240
81 tggacaactg tttggactga tggacttacc agtcttgatc gttacaaagg acgatgct.	at. 300
83 cacatogago cogttoctgg ggacocagat caatatatot gttatgtago ttatocat	ta 360
85 gacctatttg aagagggttc ttgtactaac atgtttactt tcattgtggg taacgtat	tt 420
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100 tegtagging geting tagging tigatgatea cagacaggae acgainggai eggaging	rat 120
102 aaagagggat aaaagtggag gacggctgta cagacacgta cggagatgcc actgctgt	:αa 180
104 tgagacacge tatttgcagg gegaaceetg ttactateat gtgettettg teaggtag	ca 240
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121 aagaacggcc gcctcgccat gttctccatg ttcgggttct tcgtccaggc catcgtca	cc 120
123 ggcaagggcc cgctcgagaa cctcgccgac cacctcgccg accccgtcaa caacaacg	ca 180
125 tgggeetatg eeaceaactt tgtgeeegge aagtgagggg gtggaggege caeeggee	ac 240
12/ eggecacege tgeggatate taggtgtteg gatgeacgtg agegegeact ggtteeag	tt 300
129 tgtaccatga tgtaaattac ttaccgtacc agggttcaat cggcaaggaa gaattgtt	gt 360
131 gttc	364
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146 aaggigaaga tacicaaggo coccaagitt qatotoggga agitgatgga ggitcatg	ac 120
148 gactacaaag aggacgttgg tgtgaagctt gagaggcctg tcgagggtga tgaggcta	ta 180
150 caggaggitg cigcigcega giagittati igciacitci tiaiciagae gaateigg	ac 240
152 aggaggicee tiatgaegeg aacticataa aattgictgg egacatgiit tettetgi	C 300
154 ctgccctaaa ctctaaaccc aaaggttatt cgtaacaagt gttttaagat tatttttg	tt 360
156 t	361
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161 <212> TYPE: DNA	
162 <213> ORGANISM: Zea mays	
164 <220> FEATURE:	

RAW SEQUENCE LISTINGPATENT APPLICATION: US/09/696,664A

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251	tcttgcaggg gaaaccctgc taccaacgag tggatcccgt cagctgacac ggtgtacc	cg 240
253	gcgtcagaca agccaagcag aagcgacagc tgagggactg tatatctcca gccatgag	aa 300
255	ttcagacgag tgctttccac cattagaata agaaaccaca ctggttgtcc accatatc	tt 360
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	<212> TYPE: DNA	
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272	tcattatgga agacagatgt ggaggccgtt ggccggtgcc tgctcgtgat gcgctttc	cc 120
274	tggatgtcat ttgattaatt ataagcaagt acgtgaagaa acgagggcca gacgactg	tc 180
276	gtccagcgat tggttatttg tgaacttgtc gtttgtcttc ttatttcaac tttccaat	aa 240
278	gccccttcgt gaagtgtcat ccgcttcaaa gtctgtcgac tgttacgtat acaaatct	at 300
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295	agtaccttcg catccaggat gatactttga ctgggaacgc atcgtccgtg gacatcgc	ca 120
297	ccaaggagaa catggagtct ctgatatcga tcggccagga gctgctcaac aagccagt	gg 180
299	cgagagtgaa catcgacaca gggctgtacg agtcctgcga gggtgagggc acaaatgc	ac 240
301	agtegetage tgacttegee aageagetet etgacgageg caagetacge aagageaa	tc 300
303	tcaacttcaa ctaataaata ccttttggtc acagcatgtg ctcttttttg tggatcac	cq 360
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	<400> SEQUENCE: 13	
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	tttttagagg tcttagccag ctccactata cgaccggtac gggtactaaa aagactga	
	tagctaaagg cgcccgtttt aaact	145
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	<223 OTHER INFORMATION: CTORE 1B: E123173 OUT 12 Hz 23 <400> SEQUENCE: 14	
	teeggttttg gtttacacet tggettttga aggeeaggge tgeetgttee gegttegt	ct 60
,,,	the state of the s	

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PATENT APPLICATION: US/09/696,664A

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Output Set: N:\CRF3\01082002\1696664A.raw

337	ttgggttcgt tacgttcatg	tccattggag	gattcccttc	gttcgttgaa	gaaatgaagg	120			
339	tettecageg ggaacggetg	aacqqqcact	acqqtqtcqc	ggcgtttgtc	atcagcaaca	180			
3/1	ccatctcggc aacgccgttc	ctgattctga	tatgcttctt	gtcgggaacc	atatqctact	240			
3/13	tcatggtgcg cctccatcct	ggettegage	actacatctt	cttcqtcttq	aacctgtacg	300			
245	ccagcgttac ggtggtcgag	agettgatga	tagcaattac	cagtgtcatt	cccaatttcc	360			
343	tcatgggtat catcataggg	agecegatga	aggagatatt	catactaat	•	409			
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364	cgcgtggagg cgaggcacgt	cgactacage	caggtcccca	gcgtgcccaa	gccgctcatg	180			
366	gtggtcgccc ccaccgacgc	caacatatac	cccataacca	tetteetgea	cggctgcaac	240			
369	acggtcaaca gctggtatga	gagectectg	tegeacgteg	catcccacaa	gttcatcgcc	300			
270	gtggcgcccc agctctactg	cataacactc	aacatgaacg	acttgaagga	categaegee	360			
		cytyacyccc	aucucgaacg	accegaagga	oucoguegee	375			
	accaggeagg teace					3,3			
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389	cgcccagctt ctgataatcc	gaaatggagc	agcatgtatg	tatattacca	aaaacaagat	180			
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	gaacttgact tacaaata					258			
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406	tgcatgatga gallattcaa	thataataa	ttaattataa	tgacatgacg	cetaggaeaa	120			
408	taccagcaaa ggattttgca	ttgtccatgg	Ligoticigo	tgacatgaac	ataggataa	180			
410	agctgcttga tagagttgat	agtttggtca	aggagecaga	Letyaayyae	atacycatca				
412	cctttgagga gtttaaggca	tttgctgatt	tgcgacgaag	attygageca	cigicgatgg	240			
414	ctatctttgc ttacggtaaa	ttgaatgggt	tattgacgaa	agaggatcta	aaacgtgcag	300			
416	tgcaacatgt ttgcggggtt	tacttaacag	atagagttgt	agacatcatt	ttcatgtgtt	360			
418	cgacaca					367			
421	<210> SEQ ID NO: 18								
422	<211> LENGTH: 127								
	<212> TYPE: DNA			detected in the	Sequence Listin	g.			
423 <212> TYPE: DNA Use of n and/or Xaa has been detected in the Sequence Listing. Use of n and/or Xaa has been detected in the Sequence Listing to insure a corresponding									
	Use of n and/or Xaa has been detected in the corresponding Review the Sequence Listing to insure a corresponding fever the sequence is presented in the <220> to <223> fields of								
	1		oracemen iii lii						

Use of n and/or Xaa has been detected in the sequence Review the Sequence Listing to insure a corresponding explanation is presented in the <220> to <223> fields of each sequence using n or Xaa.

VERIFICATION SUMMARY

PATENT APPLICATION: US/09/696,664A

DATE: 01/09/2002 TIME: 14:47:56

Input Set : D:\pa_00316.txt

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L:182 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7
 L:658 M:341 W: (46) "n" or "Xaa" used, for SEO ID#:28
 L:660 \ M:341 \ W: \ (46) \ "n" \ or "Xaa" \ used, for SEQ ID#:28
 L:662 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:28
 L:672 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:28
 L:757 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:32
 L:1072 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:46
 L:1130 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:49
 L:1173 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:51
 L:1284 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:55
 L:1393 \text{ M}:341 \text{ W}: \text{ (46) "n" or "Xaa" used, for SEQ ID#:59}
 L:1423 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:60
 L:1451 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:61
 \texttt{L:}1574~\texttt{M:}341~\texttt{W:} (46) "n" or "Xaa" used, for SEQ ID#:66
 L:1602 \text{ M}:341 \text{ W}: \text{ (46) "n" or "Xaa" used, for SEQ ID#:67}
 \texttt{L:}1622~\texttt{M:}341~\texttt{W:} (46) "n" or "Xaa" used, for SEQ ID#:68
 L:1763 \text{ M}:341 \text{ W}: \text{ (46) "n" or "Xaa" used, for SEQ ID$#:74}
 L:1881 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:79
L:1883 \ M:341 \ W: (46) "n" or "Xaa" used, for SEQ ID#:79
L:1955 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:82
L:1959 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:82
L:2004 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:84
L:2095 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:88
\tt L\!:\!2097\ M\!:\!341\ W\!:\! (46) "n" or "Xaa" used, for SEQ ID#:88
L:2163 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:91
L:2165 \text{ M}:341 \text{ W}: \text{ (46) "n" or "Xaa" used, for SEQ ID#:}91
L:2167 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:91
L:2169 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:91
L:2195 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:92
L:2197 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:92
L:2229 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:93
L:2231 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:93 \,
L:2257 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:94
L:2259 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:94
L:2287 \text{ M}:341 \text{ W}: (46) "n" or "Xaa" used, for SEQ ID#:95
L:2289 \ M:341 \ W: (46) "n" or "Xaa" used, for SEQ ID#:95
L:2338 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:97 L:2340 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:97
L:2368 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:98
L\!:\!2394 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:99
L:2416 \text{ M}:341 \text{ W}: (46) "n" or "Xaa" used, for SEQ ID#:100
L:2446 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:101
L\!:\!2450 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:101
\text{L:}2579~\text{M:}341~\text{W:} (46) "n" or "Xaa" used, for SEQ ID#:107
L:2609 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:108
L:2641 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:109
L:2688 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:111
L\!:\!2779 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:115
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L:2841 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:118 L:2995 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:125